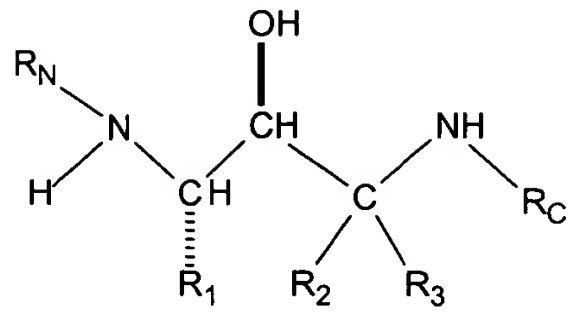
1. (Currently Amended) A substituted amine of formula (X)



(X)

where R_1 is:

~~(I) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, C_1-C_7 alkyl (optionally substituted with C_1-C_3 alkyl and C_1-C_3 alkoxy), F, Cl, Br, I, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, $NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are H or C_1-C_6 alkyl, and OC=O $NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,~~

~~(II) CH_2-S(O)$_{0\text{-}2}$-(C_1-C_6 alkyl),~~

~~(III) CH_2-CH_2-S(O)$_{0\text{-}2}$-(C_1-C_6 alkyl),~~

~~(IV) C_2-C_6 alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are H or C_1-C_6 alkyl,~~

~~(V) C_2-C_6 alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are H or C_1-C_6 alkyl,~~

(VI) -$(CH_2)_{n1}$-($R_{1\text{-aryl}}$) where n_1 is ~~zero or~~ one and where $R_{1\text{-aryl}}$ is phenyl, ~~1-naphthyl, 2-naphthyl and indanyl, indenyl,~~

~~dihydronaphthayl, or tetralinyl~~ optionally substituted with one, two, three or four of the following substituents on the aryl ring:

(A) C_1-C_6 alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, $-CF_3$, C_1-C_3 alkoxy, and $-NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(B) C_2-C_6 alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, $-CF_3$, C_1-C_3 alkoxy, and $-NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are -H or C_1-C_6 alkyl,

(C) C_2-C_6 alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, $-CF_3$, C_1-C_3 alkoxy, and $-NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are -H or C_1-C_6 alkyl,

(D) -F, Cl, -Br, or -I,

(E) -C_1-C_6 alkoxy optionally substituted with one, two, or three -F,

(F) $-NR_{N\text{-}2}R_{N\text{-}3}$ where $R_{N\text{-}2}$ and $R_{N\text{-}3}$ are as defined below,

(G) -OH,

(H) -C≡N,

(I) C_3-C_7 cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, $-CF_3$, C_1-C_3 alkoxy, and $-NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are -H or C_1-C_6 alkyl,

(J) -CO-(C_1-C_4 alkyl),

(K) $-SO_2-NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(L) $-CO-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, or

(M) $-SO_2-(C_1-C_4$ alkyl),

~~(VII) $-(CH_2)_{n1}-(R_{1\ heteroaryl})$ where n_1 is as defined above and where $R_{1\ heteroaryl}$ is selected from the group consisting of:~~

~~pyridinyl,~~

~~pyrimidinyl,~~

~~quinolinyl,~~

~~benzothienyl,~~

~~indolyl,~~

~~indolinyl,~~

~~pryidazinyl,~~

~~pyrazinyl,~~

~~isoindolyl,~~

~~isoquinolyl,~~

~~quinazolinyl,~~

~~quinoxalinyl,~~

~~phthalazinyl,~~

~~imidazolyl,~~

~~isoxazolyl,~~

~~pyrazolyl,~~

~~oxazolyl,~~

~~thiazolyl,~~

~~indolizinyl,~~

~~indazolyl,~~

~~benzothiazolyl,~~

~~benzimidazolyl,~~

~~benzofuranyl,~~

~~furanyl,~~

~~thienyl,~~

~~pyrrolyl,~~

~~oxadiazolyl,~~

~~thiadiazolyl,~~

~~triazolyl,~~

~~tetrazolyl,~~

~~oxazolopyridinyl,~~

~~imidazopyridinyl,~~

~~isothiazolyl,~~

~~naphthyridinyl,~~

~~cinnolinyl,~~

~~carbazolyl,~~

~~beta-carbolinyl,~~

~~isochromanyl,~~

~~chromanyl,~~

~~tetrahydroisoquinolinyl,~~

~~isoindolinyl,~~

~~isobenzotetrahydrofuranyl,~~

~~isobenzotetrahydrothienyl,~~

~~isobenzothienyl,~~

~~benzoxazolyl,~~

~~pyridopyridinyl,~~

~~benzotetrahydrofuranyl,~~

~~benzotetrahydrothienyl,~~

~~purinyl,~~

~~benzodioxolyl,~~

~~triazinyl,~~

~~phenoxazinyl,~~

~~phenothiazinyl,~~

~~pteridinyl,~~

~~benzothiazolyl,~~

~~imidazopyridinyl,~~

~~imidazothiazolyl,~~

~~dihydrobenzisoxazinyl,~~

~~benzisoxazinyl,~~

~~benzoxazinyl,~~

~~dihydrobenzisothiazinyl,~~

~~benzopyranyl,~~

~~benzothiopyranyl,~~

~~coumarinyl,~~

~~isocoumarinyl,~~

~~chromonyl,~~

~~chromanonyl,~~

~~pyridinyl N-oxide~~

~~tetrahydroquinolinyl~~

~~dihydroquinolinyl~~

~~dihydroquinolinonyl~~

~~dihydroisoquinolinonyl~~

~~dihydrocoumarinyl~~

~~dihydroisocoumarinyl~~

~~isoindolinonyl~~

~~benzodioxanyl~~

~~benzoxazolinonyl~~

~~pyrrolyl N-oxide,~~

~~pyrimidinyl N-oxide,~~

~~pyridazinyl N-oxide,~~

~~pyrazinyl N-oxide,~~

~~quinolinyl N-oxide,~~

~~indolyl N-oxide,~~

~~indolinyl N-oxide,~~

~~isoquinolyl N-oxide,~~

~~quinazolinyl N-oxide,~~

~~quinoxalinyl N-oxide,~~

~~phthalazinyl N-oxide,~~

~~imidazolyl N-oxide,~~

~~isoxazolyl N-oxide,~~

~~oxazolyl N-oxide,~~

~~thiazolyl N-oxide,~~

~~indolizinyl N-oxide,~~

~~indazolyl N-oxide,~~

~~benzothiazolyl N-oxide,~~

~~benzimidazolyl N-oxide,~~

~~pyrrolyl N-oxide,~~

~~oxadiazolyl N-oxide,~~

~~thiadiazolyl N-oxide,~~

~~triazolyl N-oxide,~~

~~tetrazolyl N-oxide,~~

~~benzothiopyranyl S-oxide, and~~

~~benzothiopyranyl S,S-dioxide,~~

~~where the $R_{1\text{-heteroaryl}}$ group is bonded to $-(CH_2)_{n1}-$ by any ring atom of the parent $R_{N\text{-heteroaryl}}$ group substituted by hydrogen such that the new bond to the $R_{1\text{-heteroaryl}}$ group replaces the hydrogen atom and its bond, where heteroaryl is optionally substituted with one, two, three or four of:~~

~~(1) C_1-C_6 alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, F, Cl, Br, I, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1\,a}R_{1\,b}$ where $R_{1\,a}$ and $R_{1\,b}$ are as defined above,~~

~~(2) C_2-C_6 alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1\,a}R_{1\,b}$ where $R_{1\,a}$ and $R_{1\,b}$ are H or C_1-C_6 alkyl,~~

~~(3) C_2-C_6 alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C≡N,~~

~~CF_3, C_1-C_3 alkoxy, and $NR_{1\,a}R_{1\,b}$ where $R_{1\,a}$ and $R_{1\,b}$ are H or C_1-C_6 alkyl,~~

~~(4) F, Cl, Br, or I,~~

~~(5) C_1-C_6 alkoxy optionally substituted with one, two, or three F,~~

~~(6) $NR_{N\,2}R_{N\,3}$ where $R_{N\,2}$ and $R_{N\,3}$ are as defined below,~~

~~(7) OH,~~

~~(8) C≡N,~~

~~(9) C_3-C_7 cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1\,a}R_{1\,b}$ where $R_{1\,a}$ and $R_{1\,b}$ are H or C_1-C_6 alkyl,~~

~~(10) CO (C_1-C_4 alkyl),~~

~~(11) $SO_2NR_{1\,a}R_{1\,b}$ where $R_{1\,a}$ and $R_{1\,b}$ are as defined above,~~

~~(12) $CONR_{1\,a}R_{1\,b}$ where $R_{1\,a}$ and $R_{1\,b}$ are as defined above,~~

~~(13) SO_2 (C_1-C_4 alkyl), with the proviso that when n_1 is zero $R_{1\,\text{heteroaryl}}$ is not bonded to the carbon chain by nitrogen,~~

~~(VIII) $(CH_2)_{n1}$-($R_{1\,\text{heterocycle}}$) where n_1 is as defined above and $R_{1\,\text{heterocycle}}$ is selected from the group consisting of:~~

~~morpholinyl,~~

~~thiomorpholinyl,~~

~~thiomorpholinyl S-oxide,~~

~~thiomorpholinyl S,S-dioxide,~~

~~piperazinyl,~~

~~homopiperazinyl,~~

~~pyrrolidinyl,~~

~~pyrrolinyl,~~

~~tetrahydropyranyl,~~

~~piperidinyl,~~

~~tetrahydrofuranyl,~~

~~tetrahydrothienyl,~~

~~homopiperidinyl,~~

~~homomorpholinyl,~~

~~homothiomorpholinyl,~~

~~homothiomorpholinyl S,S dioxide,~~

~~oxazolidinonyl,~~

~~dihydropyrazolyl,~~

~~dihydropyrrolyl,~~

~~dihydropyrazinyl,~~

~~dihydropyridinyl,~~

~~dihydropyrimidinyl,~~

~~dihydrofuryl,~~

~~dihydropyranyl,~~

~~tetrahydrothienyl S oxide,~~

~~tetrahydrothienyl S,S dioxide, and~~

~~homothiomorpholinyl S oxide,~~

~~where the $R_{1\text{-heterocycle}}$ group is bonded by any atom of the parent $R_{1\text{-heterocycle}}$ group substituted by hydrogen such that the new bond to the $R_{1\text{-heterocycle}}$ group replaces the hydrogen atom and its bond, where heterocycle is optionally substituted with one, two, three or four:~~

~~(1) C_1-C_6 alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, F, Cl, Br, I, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,~~

~~(2) C_2-C_6 alkenyl with one or two double bonds, optionally substituted with one, two or three~~

~~substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, -CF_3, C_1-C_3-alkoxy, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are H or C_1-C_6-alkyl,~~

~~(3) C_2-C_6 alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, -CF_3, C_1-C_3-alkoxy, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are H or C_1-C_6-alkyl,~~

~~(4) -F, -Cl, -Br, or -I,~~

~~(5) C_1-C_6-alkoxy optionally substituted with one, two, or three -F,~~

~~(6) -$NR_{N\text{-}2}R_{N\text{-}3}$ where $R_{N\text{-}2}$ and $R_{N\text{-}3}$ are as defined below,~~

~~(7) -OH,~~

~~(8) -C≡N,~~

~~(9) C_3-C_7 cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, -CF_3, C_1-C_3-alkoxy, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are H or C_1-C_6-alkyl,~~

~~(10) -CO-(C_1-C_4-alkyl),~~

~~(11) -SO_2-$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,~~

~~(12) -CO-$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,~~

~~(13) -SO_2-(C_1-C_4-alkyl),~~

~~(14) =O, with the proviso that when n_1 is zero $R_{1\text{-heterocycle}}$ is not bonded to the carbon chain by nitrogen;~~

where R_2 is:

(I)-H, or

(II) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH,

-SH, -C≡N, -CF_3, C_1-C_3 alkoxy, and -$NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above;

where R_3 is:

(I)-H, or

(II) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH,

-SH, -C≡N, -CF_3, C_1-C_3 alkoxy, and -$NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above;

and where R_2 and R_3 are taken together with the carbon to which they are attached to form a carbocycle of three, four, five, six, or seven carbon atoms, optionally where one carbon atom is replaced by a heteroatom selected from the group consisting of -O-, -S-, -SO_2-, and -NR_{N-2}-, where R_{N-2} is as defined below;

where R_N is:

(I) R_{N-1}-X_N- where X_N is ~~selected from the group consisting of:~~

~~(A)~~ -CO-, ~~and~~

~~(B) SO_2~~

where R_{N-1} is selected from the group consisting of:

~~(A) $R_{N\text{ aryl}}$ where $R_{N\text{ aryl}}$ is~~ phenyl, ~~1 naphthyl, 2 naphthyl, tetralinyl, indanyl, dihydronaphthyl or 6,7,8,9 tetrahydro 5H benzo[a]cycloheptenyl,~~ optionally substituted with one, two or three of the following substituents which can be the same or different and are:

(1) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, $-CF_3$, C_1-C_3 alkoxy, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(2) -OH,

(3) $-NO_2$,

(4) -F, -Cl, -Br, or -I,

(5) -CO-OH,

(6) -C≡N,

(7) $-(CH_2)_{0-4}$-CO-$NR_{N-2}R_{N-3}$ where R_{N-2} and R_{N-3} are the same or different and are selected from the group consisting of:

(a) -H,

(b) -C_1-C_6 alkyl optionally substituted with one ~~substitutent~~ substituent selected from the group consisting of:

(i) -OH, and

(ii) $-NH_2$,

(c) -C_1-C_6 alkyl optionally substituted with one to three -F, -Cl, -Br, or -I,

(d) -C_3-C_7 cycloalkyl,

(e) -(C_1-C_2 alkyl)-(C_3-C_7 cycloalkyl),

(f) -(C_1-C_6 alkyl)-O-(C_1-C_3 alkyl),

(g) -C_2-C_6 alkenyl with one or two double bonds,

(h) -C_2-C_6 alkynyl with one or two triple bonds,

(i) -C_1-C_6 alkyl chain with one double bond and one triple bond,

(j) $-R_{1\text{-aryl}}$ where $R_{1\text{-aryl}}$ is as defined above, and

(k) $-R_{1\text{-heteroaryl}}$ where $R_{1\text{-heteroaryl}}$ is as defined above,

(8) $-(CH_2)_{0\text{-}4}-CO-(C_1\text{-}C_{12}$ alkyl),

(9) $-(CH_2)_{0\text{-}4}-CO-(C_2\text{-}C_{12}$ alkenyl with one, two or three double bonds),

(10) $-(CH_2)_{0\text{-}4}-CO-(C_2\text{-}C_{12}$ alkynyl with one, two or three triple bonds),

(11) $-(CH_2)_{0\text{-}4}-CO-(C_3\text{-}C_7$ cycloalkyl),

(12) $-(CH_2)_{0\text{-}4}-CO-R_{1\text{-aryl}}$ where $R_{1\text{-aryl}}$ is as defined above,

(13) $-(CH_2)_{0\text{-}4}-CO-R_{1\text{-heteroaryl}}$ where $R_{1\text{-heteroaryl}}$ is as defined above,

(14) $-(CH_2)_{0\text{-}4}-CO-R_{1\text{-heterocycle}}$ where $R_{1\text{-heterocycle}}$ is as defined above,

(15) $-(CH_2)_{0\text{-}4}-CO-R_{N\text{-}4}$ where $R_{N\text{-}4}$ is selected from the group consisting of morpholinyl, thiomorpholinyl, piperazinyl, piperidinyl, homomorpholinyl, homothiomorpholinyl, homothiomorpholinyl S-oxide, homothiomorpholinyl S,S-dioxide, pyrrolinyl and pyrrolidinyl where each group is optionally substituted with one, two, three, or four of C_1-C_6 alkyl,

(16) $-(CH_2)_{0\text{-}4}-CO-O-R_{N\text{-}5}$ where $R_{N\text{-}5}$ is selected from the group consisting of:

(a) C_1-C_6 alkyl,

(b) $-(CH_2)_{0\text{-}2}-(R_{1\text{-aryl}})$ where $R_{1\text{-aryl}}$ is as defined above,

(c) C_2-C_6 alkenyl containing one or two double bonds,

(d) C_2-C_6 alkynyl containing one or two triple bonds,

(e) C_3-C_7 cycloalkyl,

(f) $-(CH_2)_{0-2}-(R_{1\text{-heteroaryl}})$ where $R_{1\text{-heteroaryl}}$ is as defined above,

(17) $-(CH_2)_{0-4}-SO_2-NR_{N-2}R_{N-3}$ where R_{N-2} and R_{N-3} are as defined above,

(18) $-(CH_2)_{0-4}-SO-(C_1-C_8$ alkyl),

(19) $-(CH_2)_{0-4}-SO_2-(C_1-C_{12}$ alkyl),

(20) $-(CH_2)_{0-4}-SO_2-(C_3-C_7$ cycloalkyl),

(21) $-(CH_2)_{0-4}-N(H$ or $R_{N-5})-CO-O-R_{N-5}$ where R_{N-5} can be the same or different and is as defined above,

(22) $-(CH_2)_{0-4}-N(H$ or $R_{N-5})-CO-N(R_{N-5})_2$, where R_{N-5} can be the same or different and is as defined above,

(23) $-(CH_2)_{0-4}-N-CS-N(R_{N-5})_2$, where R_{N-5} can be the same or different and is as defined above,

(24) $-(CH_2)_{0-4}-N(-H$ or $R_{N-5})-CO-R_{N-2}$ where R_{N-5} and R_{N-2} can be the same or different and are as defined above,

(25) $-(CH_2)_{0-4}-NR_{N-2}R_{N-3}$ where R_{N-2} and R_{N-3} can be the same or different and are as defined above,

(26) $-(CH_2)_{0-4}-R_{N-4}$ where R_{N-4} is as defined above,

(27) $-(CH_2)_{0-4}-O-CO-(C_1-C_6$ alkyl),

(28) $-(CH_2)_{0-4}-O-P(O)-(OR_{N\text{-aryl-}1})_2$ where $R_{N\text{-aryl-}1}$ is -H or C_1-C_4 alkyl,

(29) $-(CH_2)_{0-4}-O-CO-N(R_{N-5})_2$ where R_{N-5} is as defined above,

(30) $-(CH_2)_{0-4}-O-CS-N(R_{N-5})_2$ where R_{N-5} is as defined above,

(31) $-(CH_2)_{0-4}-O-(R_{N-5})_2$ where R_{N-5} is as defined above,

(32) $-(CH_2)_{0-4}-O-(R_{N-5})_2-COOH$ where R_{N-5} is as defined above,

(33) $-(CH_2)_{0-4}-S-(R_{N-5})_2$ where R_{N-5} is as defined above,

(34) -$(CH_2)_{0-4}$-O-(C_1-C_6 alkyl optionally substituted with one, two, three, four, or five -F),

(35) C_3-C_7 cycloalkyl,

(36) C_2-C_6 alkenyl with one or two double bonds optionally substituted with C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF_3, C_1-C_3 alkoxy, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(37) C_2-C_6 alkynyl with one or two triple bonds optionally substituted with C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF_3, C_1-C_3 alkoxy, -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(38) -$(CH_2)_{0-4}$-N(-H or $R_{N\text{-}5}$)-SO_2-$R_{N\text{-}2}$ where $R_{N\text{-}5}$ and $R_{N\text{-}2}$ can be the same or different and are as described above, or

(39) -$(CH_2)_{0-4}$- C_3-C_7 cycloalkyl,

~~(B) $R_{N\text{ heteroaryl}}$ where $R_{N\text{-heteroaryl}}$ is selected from the group consisting of:~~

~~pyridinyl,~~

~~pyrimidinyl,~~

~~quinolinyl,~~

~~benzothienyl,~~

~~indolyl,~~

~~indolinyl,~~

~~pryidazinyl,~~

~~pyrazinyl,~~

~~isoindolyl,~~

~~isoquinolyl,~~

~~quinazolinyl,~~

~~quinoxalinyl,~~

~~phthalazinyl,~~

~~imidazolyl,~~

~~- isoxazolyl,~~

~~- pyrazolyl,~~

~~- oxazolyl,~~

~~- thiazolyl,~~

~~- indolizinyl,~~

~~- indazolyl,~~

~~- benzothiazolyl,~~

~~- benzimidazolyl,~~

~~- benzofuranyl,~~

~~- furanyl,~~

~~- thienyl,~~

~~- pyrrolyl,~~

~~- oxadiazolyl,~~

~~- thiadiazolyl,~~

~~- triazolyl,~~

~~- tetrazolyl,~~

~~- oxazolopyridinyl,~~

~~- imidazopyridinyl,~~

~~- isothiazolyl,~~

~~- naphthyridinyl,~~

~~- cinnolinyl,~~

~~- carbazolyl,~~

~~- beta-carbolinyl,~~

~~- isochromanyl,~~

~~- chromanyl,~~

~~- tetrahydroisoquinolinyl,~~

~~- isoindolinyl,~~

~~- isobenzotetrahydrofuranyl,~~

~~- isobenzotetrahydrothienyl,~~

~~- isobenzothienyl,~~

~~- benzoxazolyl,~~

~~- pyridopyridinyl,~~

~~- benzotetrahydrofuranyl,~~

~~- benzotetrahydrothienyl,~~

~~- purinyl,~~

~~- benzodioxolyl,~~

~~- triazinyl,~~

~~- henoxazinyl,~~

~~- phenothiazinyl,~~

~~- pteridinyl,~~

~~- benzothiazolyl,~~

~~- imidazopyridinyl,~~

~~- imidazothiazolyl,~~

~~- dihydrobenzisoxazinyl,~~

~~- benzisoxazinyl,~~

~~- benzoxazinyl,~~

~~- dihydrobenzisothiazinyl,~~

~~- benzopyranyl,~~

~~- benzothiopyranyl,~~

~~- coumarinyl,~~

~~- isocoumarinyl,~~

~~- chromonyl,~~

~~- chromanonyl,~~

~~- pyridinyl N-oxide,~~

~~tetrahydroquinolinyl~~

~~dihydroquinolinyl~~

~~dihydroquinolinonyl~~

~~dihydroisoquinolinonyl~~

~~dihydrocoumarinyl~~

~~dihydroisocoumarinyl~~

~~isoindolinonyl~~

~~benzodioxanyl~~

~~benzoxazolinonyl~~

~~pyrrolyl N-oxide,~~

~~pyrimidinyl N-oxide,~~

~~pyridazinyl N-oxide,~~

~~pyrazinyl N-oxide,~~

~~quinolinyl N-oxide,~~

~~indolyl N-oxide,~~

~~indolinyl N-oxide,~~

~~isoquinolyl N-oxide,~~

~~quinazolinyl N-oxide,~~

~~quinoxalinyl N-oxide,~~

~~phthalazinyl N-oxide,~~

~~imidazolyl N-oxide,~~

~~isoxazolyl N-oxide,~~

~~oxazolyl N-oxide,~~

~~thiazolyl N-oxide,~~

~~indolizinyl N-oxide,~~

~~indazolyl N-oxide,~~

~~benzothiazolyl N-oxide,~~

~~benzimidazolyl N-oxide,~~

~~pyrrolyl N-oxide,~~

~~oxadiazolyl N-oxide,~~

~~thiadiazolyl N-oxide,~~

~~triazolyl N-oxide,~~

~~tetrazolyl N-oxide,~~

~~benzothiopyranyl S-oxide, and~~

~~benzothiopyranyl S,S-dioxide,~~

~~where the $R_{N\text{-heteroaryl}}$ group is bonded by any atom of the parent $R_{N\text{-heteroaryl}}$ group substituted by hydrogen such that the new bond to the $R_{N\text{-heteroaryl}}$ group replaces the hydrogen atom and its bond, where heteroaryl is optionally substituted with one, two, three, or four of:~~

~~(1) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group~~

consisting of C_1-C_3 alkyl, F, Cl, Br, I, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1a}R_{1b}$ where R_{1a} and R_{1b} are as defined above,

(2) OH,

(3) NO_2,

(4) F, Cl, Br, I,

(5) CO-OH,

(6) C≡N,

(7) $(CH_2)_{0-4}$-CO-$NR_{N2}R_{N3}$ where R_{N2} and R_{N3} are the same or different and are selected from the group consisting of:

(a) H,

(b) C_1-C_6 alkyl optionally substituted with one substitutent selected from the group consisting of:

(i) OH, and

(ii) NH_2,

(c) C_1-C_6 alkyl optionally substituted with one to three F, Cl, Br, I,

(d) C_3-C_7 cycloalkyl,

(e) (C_1-C_2 alkyl)-(C_3-C_7 cycloalkyl),

(f) (C_1-C_6 alkyl)-O-(C_1-C_3 alkyl),

(g) C_2-C_6 alkenyl with one or two double bonds,

(h) C_2-C_6 alkynyl with one or two triple bonds,

(i) C_1-C_6 alkyl chain with one double bond and one triple bond,

(j) $R_{1\text{-aryl}}$ where $R_{1\text{-aryl}}$ is as defined above, and

(k) $R_{1\text{ heteroaryl}}$ where $R_{1\text{ heteroaryl}}$ is as defined above,

(8) $(CH_2)_{0-4}$-CO-(C_1-C_{12}-alkyl),

(9) $(CH_2)_{0-4}$-CO-(C_2-C_{12}-alkenyl with one, two or three double bonds),

(10) $(CH_2)_{0-4}$-CO-(C_2-C_{12}-alkynyl with one, two or three triple bonds),

(11) $(CH_2)_{0-4}$-CO-(C_3-C_7-cycloalkyl),

(12) $(CH_2)_{0-4}$-CO-$R_{1\text{-aryl}}$ where $R_{1\text{-aryl}}$ is as defined above,

(13) $(CH_2)_{0-4}$-CO-$R_{1\text{-heteroaryl}}$ where $R_{1\text{-heteroaryl}}$ is as defined above,

(14) $(CH_2)_{0-4}$-CO-$R_{1\text{-heterocycle}}$ where $R_{1\text{-heterocycle}}$ is as defined above,

(15) $(CH_2)_{0-4}$-CO-R_{N-4} where R_{N-4} is selected from the group consisting of morpholinyl, thiomorpholinyl, piperazinyl, piperidinyl, homomorpholinyl, homothiomorpholinyl, homothiomorpholinyl S-oxide, homothiomorpholinyl S,S dioxide, pyrrolinyl and pyrrolidinyl where each group is optionally substituted with one, two, three, or four of C_1-C_6 alkyl,

(16) $(CH_2)_{0-4}$-CO-O-R_{N-5} where R_{N-5} is selected from the group consisting of:

(a) C_1-C_6 alkyl,

(b) $(CH_2)_{0-2}$-($R_{1\text{-aryl}}$) where $R_{1\text{-aryl}}$ is as defined above,

(c) C_2-C_6 alkenyl containing one or two double bonds,

(d) C_2-C_6 alkynyl containing one or two triple bonds,

(e) C_3-C_7 cycloalkyl, and

(f) $(CH_2)_{0-2}$-($R_{1\text{-heteroaryl}}$) where $R_{1\text{-heteroaryl}}$ is as defined above,

(17) $(CH_2)_{0-4}$-SO_2-$NR_{N-2}R_{N-3}$ where R_{N-2} and R_{N-3} are as defined above,

(18) $(CH_2)_{0-4}$-SO-(C_1-C_8-alkyl),

(19) $(CH_2)_{0-4}$-SO_2-(C_1-C_{12}-alkyl),

(20) $(CH_2)_{0-4}$-SO_2-(C_3-C_7-cycloalkyl),

(21) $(CH_2)_{0-4}$-N(H or R_{N-5})-CO-O-R_{N-5} where R_{N-5} can be the same or different and is as defined above,

(22) $(CH_2)_{0-4}$-N(H or R_{N-5})-CO-N(R_{N-5})$_2$, where R_{N-5} can be the same or different and is as defined above,

(23) $(CH_2)_{0-4}$-N-CS-N(R_{N-5})$_2$, where R_{N-5} can be the same or different and is as defined above,

(24) $(CH_2)_{0-4}$-N(-H or R_{N-5})-CO-R_{N-2} where R_{N-5} and R_{N-2} can be the same or different and are as defined above,

(25) $(CH_2)_{0-4}$-$NR_{N-2}R_{N-3}$ where R_{N-2} and R_{N-3} can be the same or different and are as defined above,

(26) $(CH_2)_{0-4}$-R_{N-4} where R_{N-4} is as defined above,

(27) $(CH_2)_{0-4}$-O-CO-(C_1-C_6-alkyl),

(28) $(CH_2)_{0-4}$-O-P(O)-($OR_{N\text{-}aryl\text{-}1}$)$_2$ where $R_{N\text{-}aryl\text{-}1}$ is H or C_1-C_4-alkyl,

(29) $(CH_2)_{0-4}$-O-CO-N(R_{N-5})$_2$ where R_{N-5} is as defined above,

(30) $(CH_2)_{0-4}$-O-CS-N(R_{N-5})$_2$ where R_{N-5} is as defined above,

(31) $(CH_2)_{0-4}$-O-(R_{N-5})$_2$ where R_{N-5} is as defined above,

(32) $(CH_2)_{0-4}$-O-(-R_{N-5})$_2$-COOH where R_{N-5} is as defined above,

(33) $(CH_2)_{0-4}$-S-(-R_{N-5})$_2$ where R_{N-5} is as defined above,

(34) $(CH_2)_{0-4}$-O-(C_1-C_6-alkyl optionally substituted with one, two, three, four, or five of F),

(35) C_3-C_7-cycloalkyl,

~~(36) C_2-C_6 alkenyl with one or two double bonds optionally substituted with C_1-C_3 alkyl, F, Cl, Br, I, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1a}R_{1b}$ where R_{1a} and R_{1b} are as defined above,~~

~~(37) C_2-C_6 alkynyl with one or two triple bonds optionally substituted with C_1-C_3 alkyl, F, Cl, Br, I, OH, SH, C≡N, CF_3, C_1-C_3 alkoxy, and $NR_{1a}R_{1b}$ where R_{1a} and R_{1b} are as defined above,~~

~~(38) $(CH_2)_{0-4}N(H \text{ or } R_{N5})SO_2R_{N2}$ where R_{N5} and R_{N2} can be the same or different and are as described above, or~~

~~(39) $(CH_2)_{0-4}$-C_3-C_7 cycloalkyl,~~

~~(C) $R_{N\,aryl}$-W-$R_{N\,aryl}$,~~

~~(D) $R_{N\,aryl}$-W-$R_{N\,heteroaryl}$,~~

~~(E) $R_{N\,aryl}$-W-$R_{N\,1\,heterocycle}$, where $R_{N\,heterocycle}$ is the same as $R_{1\,heterocycle}$~~

~~(F) $R_{N\,heteroaryl}$-W-$R_{N\,aryl}$,~~

~~(G) $R_{N\,heteroaryl}$-W-$R_{N\,heteroaryl}$,~~

~~(H) $R_{N\,heteroaryl}$-W-$R_{N\,1\,heterocycle}$, where $R_{N\,1\,heterocycle}$ is the same as $R_{1\,heterocycle}$,~~

~~(I) $R_{N\,heterocycle}$-W-$R_{N\,aryl}$,~~

~~(J) $R_{N\,heterocycle}$-W-$R_{N\,heteroaryl}$,~~

~~(K) $R_{N\,heterocycle}$-W-$R_{N\,1\,heterocycle}$,~~

~~where W is~~

~~(1) $(CH_2)_{0-4}$,~~

~~(2) O,~~

~~(3) $S(O)_{0-2}$,~~

~~(4) $N(R_{N5})$ where R_{N5} is as defined above, or~~

~~(5) CO,~~

where R_C is:

(I) -C_3-C_{10} alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH,

-SH, -C≡N, -CF_3, C_1-C_6 alkoxy, -O-phenyl, -$NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, -OC=O $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, -$S(=O)_{0-2}$ R_{1-a} where R_{1-a} is as defined above, -NR_{1-a}C=O $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, -C=O $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, and -$S(=O)_2$ $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(II) -$(CH_2)_{0-3}$-(C_3-C_8) cycloalkyl where cycloalkyl can be optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF_3, C_1-C_6 alkoxy, -O-phenyl, -CO-OH, -CO-O-(C_1-C_4 alkyl), and -$NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(III) -$(CR_{C-x}R_{C-y})_{0-4}$-R_{C-aryl} where R_{C-x} and R_{C-y} are

-H,

C_1-C_4 alkyl optionally substituted with one or two -OH,

C_1-C_4 alkoxy optionally substituted with one, two, or three of

-F,

-$(CH_2)_{0-4}$-C_3-C_7 cycloalkyl,

C_2-C_6 alkenyl containing one or two double bonds,

C_2-C_6 alkynyl containing one or two triple bonds, or

phenyl,

and where R_{C-x} and R_{C-y} are taken together with the carbon to which they are attached to form a carbocycle of three, four, five, six or seven carbon atoms, optionally where one carbon atom is replaced by a heteroatom selected from the group consisting of -O-, -S-, $-SO_2-$, $-NR_{N-2}-$ and R_{C-aryl} is the same as R_{N-aryl};

(IV) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heteroaryl}$ where $R_{C-heteroaryl}$ is the same as $R_{N-heteroaryl}$ and R_{C-x} and R_{C-y} are as defined above,

(V) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-aryl}-R_{C-aryl}$ where R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above,

(VI) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-aryl}-R_{C-heteroaryl}$ where R_{C-aryl}, $R_{C-heteroaryl}$, R_{C-x} and R_{C-y} are as defined above,

(VII) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heteroaryl}-R_{C-aryl}$ where $R_{C-heteroaryl}$, R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above,

(VIII) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heteroaryl}-R_{C-heteroaryl}$ where $R_{C-heteroaryl}$, R_{C-x} and R_{C-y} are as defined above,

(IX) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-aryl}-R_{C-heterocycle}$ where R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above, and $R_{C-heterocycle}$ is the same as $R_{N-heterocycle}$,

(X) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heteroaryl}-R_{C-heterocycle}$ where $R_{C-heteroaryl}$, $R_{C-heterocycle}$, R_{C-x} and R_{C-y} are as defined above,

(XI) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heterocycle}-R_{C-aryl}$ where $R_{C-heterocycle}$, R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above,

(XII) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heterocycle}-R_{C-heteroaryl}$ where $R_{C-heterocycle}$, $R_{C-heteroaryl}$, R_{C-x} and R_{C-y} are as defined above,

(XIII) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heterocycle}-R_{C-heterocycle}$ where $R_{C-heterocycle}$, R_{C-x} and R_{C-y} are as defined above,

(XIV) $-(CR_{C-x}R_{C-y})_{0-4}-R_{C-heterocycle}$ where $R_{C-heterocycle}$, R_{C-x} and R_{C-y} are as defined above,

(XV) -cyclopentyl, -cyclohexyl, or -cycloheptyl ring fused to $R_{C\text{-}aryl}$ or $R_{C\text{-}heteroaryl}$ or $R_{C\text{-}heterocycle}$ where $R_{C\text{-}aryl}$ or $R_{C\text{-}heteroaryl}$ or $R_{C\text{-}heterocycle}$ are as defined above where one carbon of cyclopentyl, cyclohexyl, or -cycloheptyl is optionally replaced with NH, $NR_{N\text{-}5}$, O, $S(=O)_{0\text{-}2}$, and where cyclopentyl, cyclohexyl, or -cycloheptyl can be optionally substituted with one or two -C_1-C_3 alkyl, -F, -OH, -SH, -C≡N, -CF_3, C_1-C_6 alkoxy, =O, or -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(XVI) -$[C(R_{C\text{-}1})(R_{C\text{-}2})]_{1\text{-}3}$-CO-N-$(R_{C\text{-}3})_2$ where $R_{C\text{-}1}$ and $R_{C\text{-}2}$ are the same or different and are selected from the group consisting of:

(A) -H,

(B) -C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF_3, C_1-C_6 alkoxy, -O-phenyl, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(C) C_2-C_6 alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF_3, C_1-C_6 alkoxy, -O-phenyl, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(C) -$(CH_2)_{0\text{-}4}$-C_3-C_7 cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF_3, C_1-C_6 alkoxy, -O-phenyl, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(D) -(C_1-C_4 alkyl)-$R_{C'\text{-}aryl}$ where $R_{C'\text{-}aryl}$ is as defined for $R_{1\text{-}aryl}$,

(E) -(C_1-C_4 alkyl)-$R_{C\text{-}heteroaryl}$ where $R_{C\text{-}heteroaryl}$ is as defined above,

(F) -(C_1-C_4 alkyl)-$R_{C\text{-}heterocycle}$ where $R_{C\text{-}heterocycle}$ is as defined above,

(G) -$R_{C\text{-}heteroaryl}$ where $R_{C\text{-}heteroaryl}$ is as defined above,

(H) -$R_{C\text{-}heterocycle}$ where $R_{C\text{-}heterocycle}$ is as defined above, and

(I) -$R_{C'\text{-}aryl}$ where $R_{C'\text{-}aryl}$ is as defined above,

and where $R_{C\text{-}3}$ is the same or different and is:

(A) -H,

(B) -C_1-C_6 alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF_3, C_1-C_6 alkoxy, -O-phenyl, and -$NR_{1\text{-}a}R_{1\text{-}b}$ where $R_{1\text{-}a}$ and $R_{1\text{-}b}$ are as defined above,

(C) -$(CH_2)_{0\text{-}4}$-C_3-C_7 cycloalkyl,

(D) -(C_1-C_4 alkyl)-$R_{C'\text{-}aryl}$ where $R_{C'\text{-}aryl}$ is as defined above,

(E) -(C_1-C_4 alkyl)-$R_{C\text{-}heteroaryl}$ where $R_{C\text{-}heteroaryl}$ is as defined above, or

(F) -(C_1-C_4 alkyl)-$R_{C\text{-}heterocycle}$ where $R_{C\text{-}heterocycle}$ is as defined above; or

pharmaceutically acceptable salts thereof.

2. (Currently Amended) A substituted amine according to claim 1

where ~~R_1 is:~~

~~$(CH_2)_{0\text{-}1}$-$(R_{1\text{-}aryl})$, or~~

~~$(CH_2)_{n1}$-$(R_{1\text{-}heteroaryl})$~~

~~where R_N is:~~

~~R_{N-1}-X_N where X_N is selected from the group consisting of:~~

~~CO, and~~

~~SO_2,~~

~~where R_{N-1} is selected from the group consisting of:~~

~~$R_{N\text{-}aryl}$, and~~

~~$R_{N\text{-}heteroaryl}$,~~

where R_C is:

-C_3-C_8 alkyl,

-$(CH_2)_{0-3}$-(C_3-C_7) cycloalkyl,

-$(CR_{C-x}R_{C-y})_{1-4}$-$R_{C\text{-}aryl}$,

-$(CR_{C-x}R_{C-y})_{1-4}$-$R_{C\text{-}heteroaryl}$,

-$(CR_{C-x}R_{C-y})_{1-4}$-$R_{C\text{-}heterocycle}$, or

-cyclopentyl or -cyclohexyl ring fused to $R_{C\text{-}aryl}$ or $R_{C\text{-}heteroaryl}$ or $R_{C\text{-}heterocycle}$.

3. (Currently Amended) A substituted amine according to claim 2

where R_1 is:

-(CH_2)-($R_{1\text{-}aryl}$), ~~or~~

~~(CH_2)-($R_{1\text{-}heteroaryl}$);~~

where R_2 is -H;

where R_3 is -H;

~~where R_N is:~~

~~R_{N-1}-X_N where X_N is:~~

~~CO,~~

~~where R_{N-1} is selected from the group consisting of:~~

~~$R_{N\text{-}aryl}$, and~~

~~$R_{N\text{-}heteroaryl}$,~~

where R_C is:

-$(CH_2)_{0-3}$-$(C_3$-$C_7)$ cycloalkyl,

-$(CR_{C-x}R_{C-y})_{1-4}$-R_{C-aryl},

-$(CR_{C-x}R_{C-y})_{1-4}$-$R_{C-heteroaryl}$,

-$(CR_{C-x}R_{C-y})_{1-4}$-$R_{C-heterocycle}$, or

-cyclopentyl or -cyclohexyl ring fused to a R_{C-aryl} or $R_{C-heteroaryl}$ or $R_{C-heterocycle}$.

4. (Original) A substituted amine according to claim 3 where R_C is:

-$(CR_{C-x}R_{C-y})_{1-4}$-R_{C-aryl},

-$(CR_{C-x}R_{C-y})_{1-4}$-$R_{C-heteroaryl}$,, or

-cyclopentyl or -cyclohexyl ring fused to a R_{C-aryl} or $R_{C-heteroaryl}$ or $R_{C-heterocycle}$.

5. (Cancelled)

6. (Original) A substituted amine according to claim 1 where R_1 is

-(CH_2)-(R_{1-aryl}) where R_{1-aryl} is phenyl substituted with two -F.

7. (Original) A substituted amine according to claim 6 where the -F substitution is 3,5-difluorobenzyl.

8. (Original) A substituted amine according to claim 1 where R_2 is -H.

9. (Original) A substituted amine according to claim 1 where R_3 is -H.

10. (Currently Amended) A substituted amine according to claim 1 where ~~R_N is~~

~~R_{N-1}-X_N- where X_N is -CO-, where R_{N-1} is R_{N-aryl} where~~ R_{N-aryl} is phenyl substituted with one $-CO-NR_{N-2}R_{N-3}$ where the substitution on the phenyl is 1,3-.

11. (Original) A substituted amine according to claim 10 where R_{N-2} and R_{N-3} are the same and are C_3 alkyl.

12. (Currently Amended) A substituted amine according to claim 1 where R_N is

~~R_{N-1}-X_N- where X_N is -CO-, where R_{N-1} is R_{N-aryl}~~ where R_{N-aryl} is phenyl substituted with one C_1 alkyl and with one $-CO-NR_{N-2}R_{N-3}$ where the substitution on the phenyl is 1,3,5-.

13. (Original) A substituted amine according to claim 12 where R_{N-2} and R_{N-3} are the same and are C_3 alkyl.

14. (Cancelled)

15. (Cancelled)

16. (Original) A substituted amine according to claim 1 where R_C is:

$-(CR_{C-x}R_{C-y})_{1-4}-R_{C-aryl}$ where R_{C-aryl} is phenyl,

$-(CR_{C-x}R_{C-y})_{1-4}-R_{C-heteroaryl}$, or

-cyclopentyl or -cyclohexyl ring fused to a R_{C-aryl} or $R_{C-heteroaryl}$ or $R_{C-heterocycle}$.

17. (Original) A substituted amine according to claim 16 where R_C is: $-(CR_{C-x}R_{C-y})_{1-4}-R_{C-aryl}$ where R_{C-aryl} is phenyl.

18. (Original) A substituted amine according to claim 17 where phenyl is substituted in the 3-position or 3,5-positions.

19. (Original) A substituted amine according to claim 16 where R_C is:

$-(CH_2)-R_{C-heteroaryl}$.

20. (Original) A substituted amine according to claim 16 where R_C is:

$-(CH_2)-R_{C-heterocycle}$.

21. (Original) A substituted amine according to claim 16 where R_C is:

-cyclohexyl ring fused to a phenyl ring.

22. (Original) A substituted amine according to claim 1 where the pharmaceutically acceptable salt is selected from the group consisting of salts of the following acids acetic, aspartic, benzenesulfonic, benzoic, bicarbonic, bisulfuric, bitartaric, butyric, calcium edetate, camsylic, carbonic, chlorobenzoic, citric, edetic, edisylic, estolic, esyl, esylic, formic, fumaric, gluceptic, gluconic, glutamic, glycollylarsanilic, hexamic, hexylresorcinoic, hydrabamic, hydrobromic, hydrochloric, hydroiodic, hydroxynaphthoic, isethionic, lactic, lactobionic, maleic, malic, malonic, mandelic, methanesulfonic, methylnitric, methylsulfuric, mucic, muconic, napsylic, nitric, oxalic, p-nitromethanesulfonic, pamoic, pantothenic, phosphoric, monohydrogen phosphoric,